

AMENDMENTS TO THE CLAIMS:

This listing of the pending claims will replace all prior versions and listings of claims in this application:

1. (Currently Amended) A printhead comprising:
 - a housing having an array of nozzles;
 - a printhead memory disposed on or within said housing; and
 - data stored in said printhead memory, said data ~~including~~ being indicative of a location of at least one missing or malfunctioning nozzle of said array of nozzles.
- 2-3. (Cancelled).
4. (Original) The printhead of claim 1 wherein said printhead is adapted to be installed into a printer having firmware capable of reading said data from said printhead memory.
5. (Original) The printhead of claim 4 wherein said printer is adapted to use said data to format print jobs.
6. (Currently Amended) A method of making a printhead comprising the steps of:
 - providing a printhead having a housing including an array of nozzles and a printhead memory; and
 - storing data in said printhead memory, said data ~~including~~ being indicative of a location of at least one missing or malfunctioning nozzle of said array of nozzles.
- 7-9. (Cancelled).
10. (Previously Presented) The method of claim 6 further comprising the step of installing said printhead into a printer having firmware capable of reading said printhead memory.

11. (Previously Presented) The method of claim 10 wherein said firmware reads said printhead memory and a formatter formats a print job based on said data.
12. (Previously Presented) The method of claim 11 wherein said printer compensates for said at least one missing or malfunctioning nozzle by shingling.
13. (Previously Presented) The method of claim 6 wherein said storing step includes performing a standard functional test.
14. (Previously Presented) The method of claim 6 wherein said storing step includes initiating an automated detection system.
15. (Previously Presented) A printhead comprising:
 - a housing having an array of nozzles;
 - a printhead memory disposed on or within said housing; and
 - data stored in said printhead memory, said data including a status of at least one nozzle of said array of nozzles,wherein said printhead is adapted to be installed into a printer having firmware capable of reading said data from said printhead memory and passing said data to a formatter for formatting print jobs according to said data.